



SUN ELECTRIC CORPORATION

Model: 43000

Page: 1 of 3

Field Installation Instructions

INSTALLATION MUST BE PERFORMED BY QUALIFIED SUN SERVICE PERSONNEL ONLY

OVERVIEW:

The Installation Procedures listed are **for** the MCA-3000. The unit is shipped as a fully assembled **unit** with the exception of the items as listed in the Parts **list**.

PARTS LIST:

DESCRIPTION	PART NUMBER	QUANTITY
* Cabinet	C-39 of C-39/G	1
Modular Computer Analyzer	MCA-3000	1

* (THIS IS OPTIONAL, UNIT MAY BE UTILIZING A HEAD SUSPENSION KIT)

REQUIRED TOOLS:

Complete Sun Issued Tool Kit

INSTALLATION PROCEDURE:

1. Remove **MCA-3000** from the box.
2. If the **MCA-3000** is being mounted on a **HSK**, refer to the instructions included in the HSK carton.
3. Place the MCA-3000 on the Cabinet and **secure** using the four **9/16"** bolts, and flat washers found in the C-39. Two can be accessed through the right drawer, one through the left drawer, and one from the rear.
4. Lift the printer cover located on the left-hand side of the tester **as** viewed from the front.
5. Place paper in the printer compartment and slide it to the rear.
6. Install the printer interface and power cables (supplied) to the connectors located on the right-hand wall of the printer compartment.
7. Remove the Printer (P/N AP-1100) from its box and place it on the work area (right front) of the **MCA-3000**.

8. Connect the **AC Power and the Printer Interface cables** to the rear of the printer and **slide** the Printer forward **against** the Printer stop. Route cables so they **do** not interfere with paper supply.
9. Remove the shipping retainer from the printer carriage **as shown in** the "IMPORTANT NOTICE" enclosed.
10. Install the Printer ribbon onto the print carriage and load the paper into the Printer. If necessary, refer to the operator manual for assistance **in** loading ribbon and paper.
11. Replace the Printer's dust cover and turn the Printer power switch to the "ON" position. Lower the printer compartment cover.
12. Remove the Keyboard from its box and plug cable into the Keyboard connector located on the right-hand wall of the printer compartment.
13. Turn keyboard upside down and locate the opening **for** the Dip Switches. Set SW1 to 'ON" and SW2 to "OFF". This switch configuration will enable the XT mode for the Honeywell 101 keyboard. Refer to Figure 1.

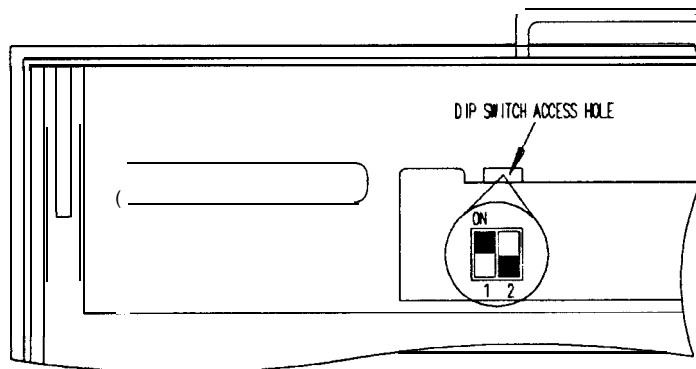


Figure 1. **Bottom View of Honeywell 101 Keyboard**

14. Place the Keyboard into the rack above the printer.
15. Install the Template Label on the Keyboard in the location as indicated in **Figure 2.**

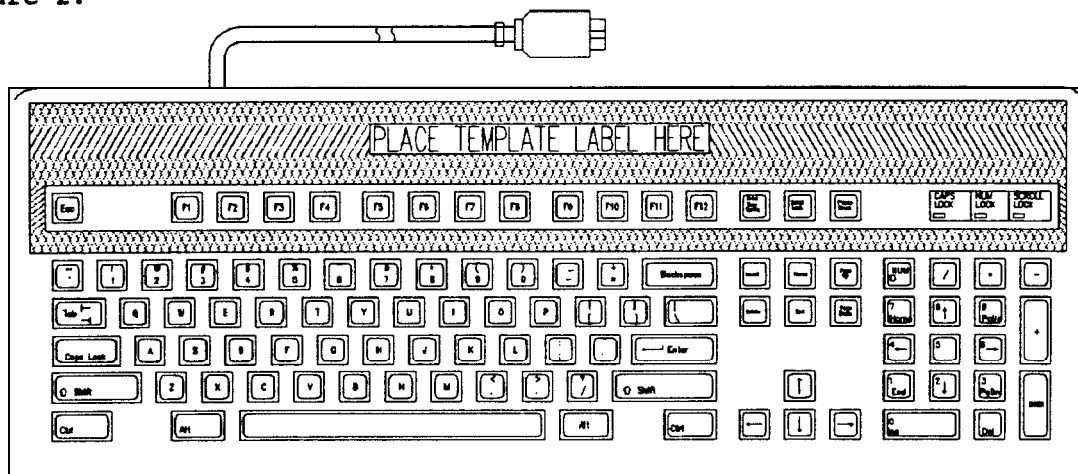


Figure 2. **Label Location for Honeywell 101 Keyboard**

16. **Install** the Remote Control in the remote control pocket located on **righthand** side of the tester. Connect the cable to the remote control connector located on the rear center **of** the tester.
17. **Install** the two Cable **Hangers** (U-shaped) to the back **of** tester using two **5/8"** hex head screws to secure.
18. Slide open **Infra-Red** Module drawer on right aide of teeter (viewed from the rear). Locate Oxygen Sensor from the accessories bag and **screw** into mounting block (located in the middle of drawer). **FINGER TIGHT ONLY!** Locate the cable from the Solenoid Driver Board mounted on the back **of** the Infra-Red Module drawer, and insert **its** 1/4" plug into top of **O₂** Seneor.
19. Connect the clear Plastic 1/4" Hose (32" in length), to the aspirator fitting of the primary bowl, down to the drain fitting located at base of the Cabinet.
20. Attach all **Tester** Leads along with vacuum hose, to their prospective connectors located on the boom of the **MCA-3000**.
21. On **units** utilizing the C-39/G Cabinet, place the two rubber mats provided at bae **of** unit (one on front ledge and the other in the gas bottle compartment at rear of unit).
22. Perform the checkout procedure as found in Appendix D of the **MCA-3000** Service Manual.

* **INSTALLATION COMPLETE** *
